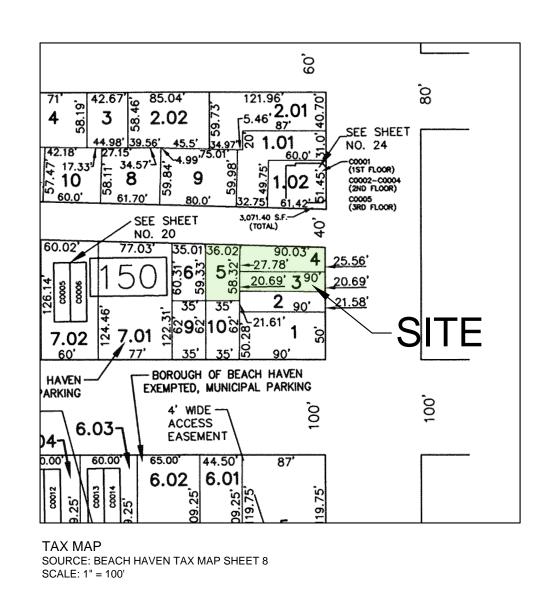
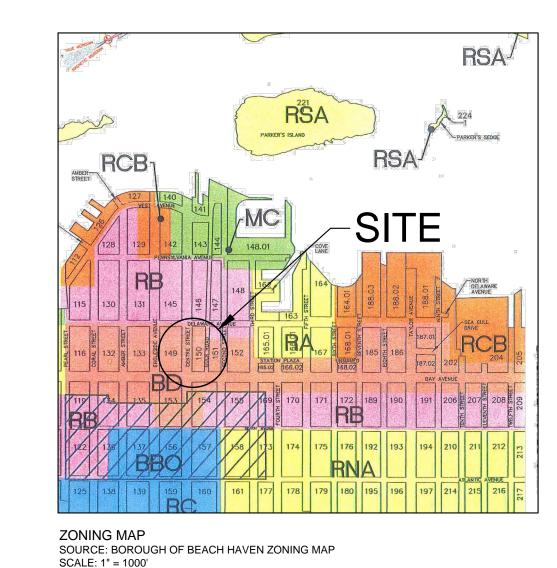
# FOR BLOCK 150, LOTS 3, 4, & 5 BOROUGH OF BEACH HAVEN OCEAN COUNTY, NEW JERSEY







NOTES:

- OWNER/APPLICANT: PHILLY CAPITAL GROUP MIHIR KOTHARI ADDRESS 302-562-2199
- 1. THE PARCEL IN QUESTION IS KNOWN AS BLOCK 150, LOTS 3,4, AND 5. (0.145 AC.) OF THE BOROUGH OF BEACH HAVEN AND IS LOCATED WITHIN THE BD (BUSINESS DISTRICT) ZONING DISTRICT OF BEACH HAVEN TOWNSHIP.
- TOPOGRAPHIC AND PLANIMETRIC INFORMATION SHOWN HEREON TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY, 110 NORTH BAY AVENUE, BLOCK 150, LOTS 3,4, AND 5 BOROUGH OF BEACH HAVEN, OCEAN COUNTY,
- 3. ADJACENT LOT NUMBERS REFER TO BOROUGH OF BEACH HAVEN TAX MAPS. SHEET #8.
- 4. ALL MATERIALS, METHODS AND DETAILS OF CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF THE TOWNSHIP OF LONG BEACH ISLAND, OCEAN COUNTY, THE STATE OF NEW JERSEY AND /OR THE APPROPRIATE UTILITY COMPANY WHICHEVER REGULATIONS TAKES PRECEDENCE.SITE SHALL CONFORM TO MOST RECENT VERSION OF CHAPTER 14 (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION) OF THE IFC, NEW JERSEY EDITION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES BOTH ABOVE AND BELOW GROUND SURFACE BEFORE ENTERING THE CONSTRUCTION SITE. FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (1-800-272-1000) SHALL BE MADE BY THE CONTRACTOR WITHIN 72 HOURS OF ENTERING THE SITE. THE COMPANY.
- 6. IN GENERAL THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES AS SHOWN ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES AND OTHER UTILITIES MAY HAVE TO BE RELOCATED. UTILITIES SHOWN ON THE PLAN ARE DERIVED FROM EXISTING INFORMATION RECEIVED FROM THE APPROPRIATE UTILITY COMPANY AND/OR THE PROPERTY OWNER.
- 7. ELECTRIC, GAS, TELEPHONE AND CABLE TV SERVICE SHALL BE INSTALLED UNDERGROUND AT THE SITE IN ACCORDANCE WITH THE REGULATIONS OF THE LOCAL UTILITY COMPANIES AND VOORHEES TOWNSHIP,
- 8. PROVIDE 10-FOOT MIN. HORIZONTAL SEPERATION BETWEEN SEWER AND WATER MAINS.PROVIDE 18-INCHES MIN. VERTICAL CLEARANCE BETWEEN SEWER/WATER MAINS AND PIPES CROSSING ABOVE. IF LESS THAN 18-INCHES.
- SUPPORT TOP PIPE WITH CONCRETE SADDLE.

  9. ALL CONCRETE SHALL BE 4,000 P.S.I. AT 28 DAY COMPRESSIVE STRENGTH EXCEPT MACHINE PLACED, WHICH
- SHALL BE 4,500 P.S.I. AT 28 DAY COMPRESSIVE STRENGTH.

  10. ALL TRAFFIC CONTROL DEVICES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON
- UNIFORM TRAFFIC CONTROL DEVICES. SIGN MATERIALS SHALL BE MADE OF REFLECTIVE SHEETING ON ALUMINUM BLANKS MOUNTED ON STEEL U-CHANNEL POSTS. ALL CONFORMING TO N.J.D.O.T. STANDARD SPECIFICATIONS AND THE VOORHEES TOWNSHIP LAND USE ORDINANCE.
- 11. ALL GRADED SLOPES SHALL NOT EXCEED THREE (3) FEET HORIZONTALLY TO ONE (1) FOOT VERTICALLY, UNLESS SPECIFICALLY NOTED WITH SPECIAL STABILIZATION METHODS.
- 12. ALL DEMOLITION MATERIALS AND DEBRIS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL,
- 13. ALL AREAS NOT COVERED BY PAVEMENT, SIDEWALK OR BUILDINGS ARE TO BE COVERED WITH FOUR (4) INCHES OF COMPACTED TOPSOIL.
- 14. ALL EXPOSED CONCRETE FLATWORK (CURB, SIDEWALK, DRIVEWAY APRONS, ETC.) SHOULD HAVE4-6% AIR
- 15. AT THE END OF EACH WORK DAY, ALL ROADWAYS SHALL BE SWEPT CLEAN AND ALL OPEN TRENCHES SHALL
- 16. ALL TREES SHALL BE LIMBED TO 7 FEET AND SHRUBS SHALL HAVE A MATURE HEIGHT OF 30 INCHES WITHIN
- 17. THE OWNER OR HIS REPRESENTATIVE IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C. 5:23-2.21(e) OF THE N.J.
- UNIFORM CONSTRUCTION CODE AND CFR 1926.32(f) (OSHA COMPETENT PERSON).
- 18. SUBBASE OUTLET DRAINS TO BE PROVIDED AT INLETS, WHERE DIRECTED BY TOWNSHIP ENGINEER.
- 19. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.

BE BACKFILLED AND THE PUBLIC PROTECTED FROM THE WORK AREA.

- 20. THE OWNER OR HIS REPRESENTATIVE IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C 5:23-2.21(E) OF THE N.J.
- 21. TRASH AND RECYCLING PICK-UP SHALL BE A PRIVATE WASTE HAULER AND SHALL ONLY BE PERMITTED

UNIFORM CONSTRUCTION CODE AND CFR 1926.32(F) (OSHA COMPETENT PERSON).

APPROVED BY LONG BEACH ISLAND TOWNSHIP PLANNING BOARD

DATE

DATE

**CHAIRPERSON** 

**SECRETARY** 

**BOARD ENGINEER** 

MUNICIPAL CLERK

New Jersey Professional Engineer Lic. No. 24GE0457930

- BETWEEN THE HOURS OF 7AM AND 10PM IN ACCORDANCE WITH TOWNSHIP ORDINANCE.

  22. ALL PARKING STRIPING TO BE 4" WHITE THERMOPLASTIC OR LIFE LONG EPOXY, HANDICAP STRIPING TO BE 4" BLUE THERMOPLASTIC OR LIFE LONG EPOXY, STOP BAR STRIPING TO BE 24" WHITE THERMOPLASTIC OR LIFE
- LONG EPOXY, AND CROSSWALK STRIPING TO BE 12" WHITE THERMOPLASTIC OR LIFE LONG EPOXY.

# 110 NORTH BAY AVENUE

### INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	DEMOLITION PLAN
3	SITE PLAN
4	GRADING PLAN
5	UTILITY PLAN
6	LANDSCAPING & LIGHTING PLAN
7	SOIL EROSION & SEDIMENT CONTROL PLAN
8	SOIL EROSION & SEDIMENT CONTROL DETAILS
9	CONSTRUCTION DETAILS
10	WATER & SEWER DETAILS

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE HEAVY EQUIPMENT ENTERS THE SITE.

FINAL INQUIRIES TO "UNDERGROUND UTILITIES" (PHONE #: 1-800-272-1000)
SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF
ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND
VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANY

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS SHOWN, ARE INFLUENCED BY THE EXISTING GRAVITY UTILITIES ONLY, WHICH MAY NECESSITATE THE RELOCATIONS OF OTHER UTILITIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

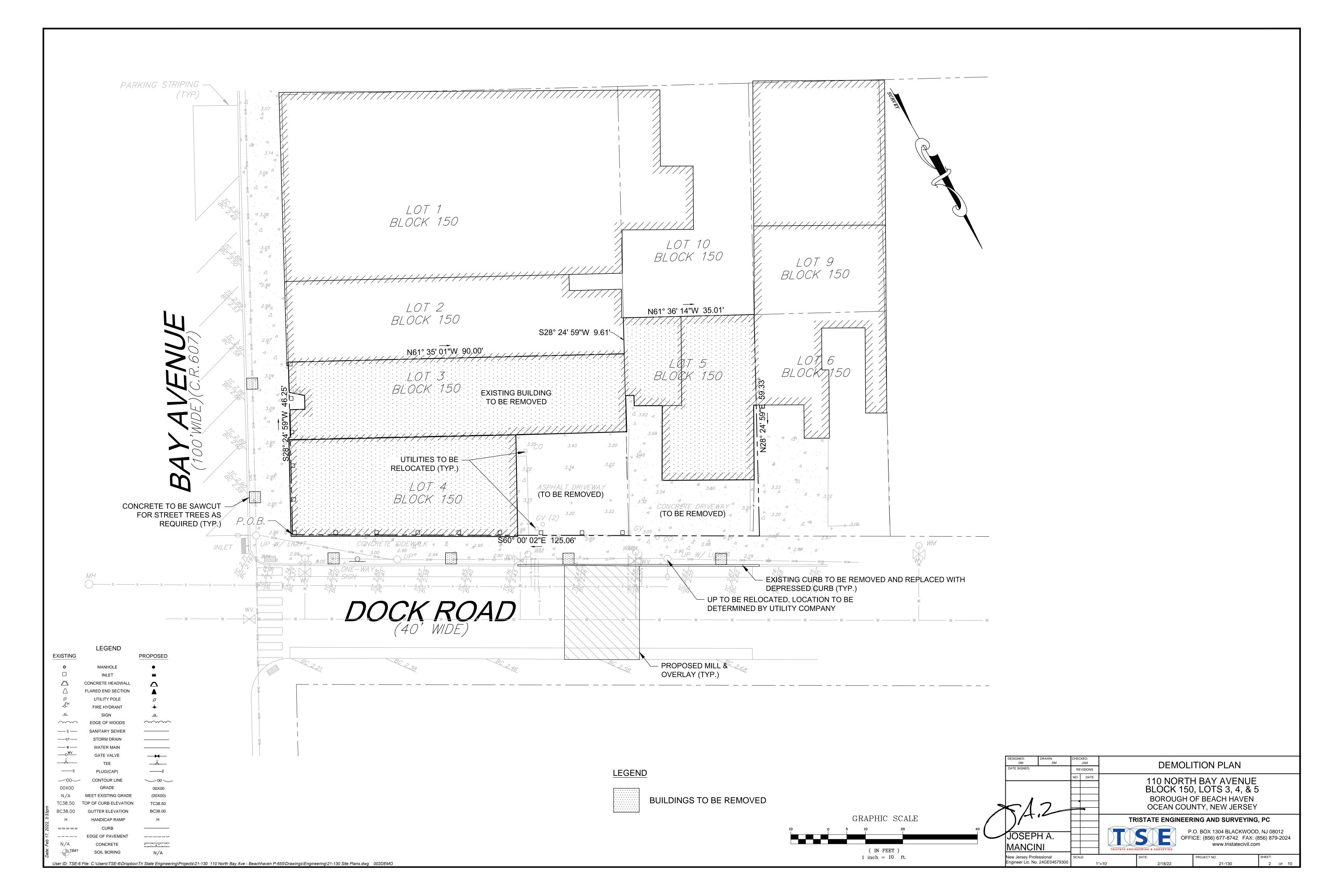
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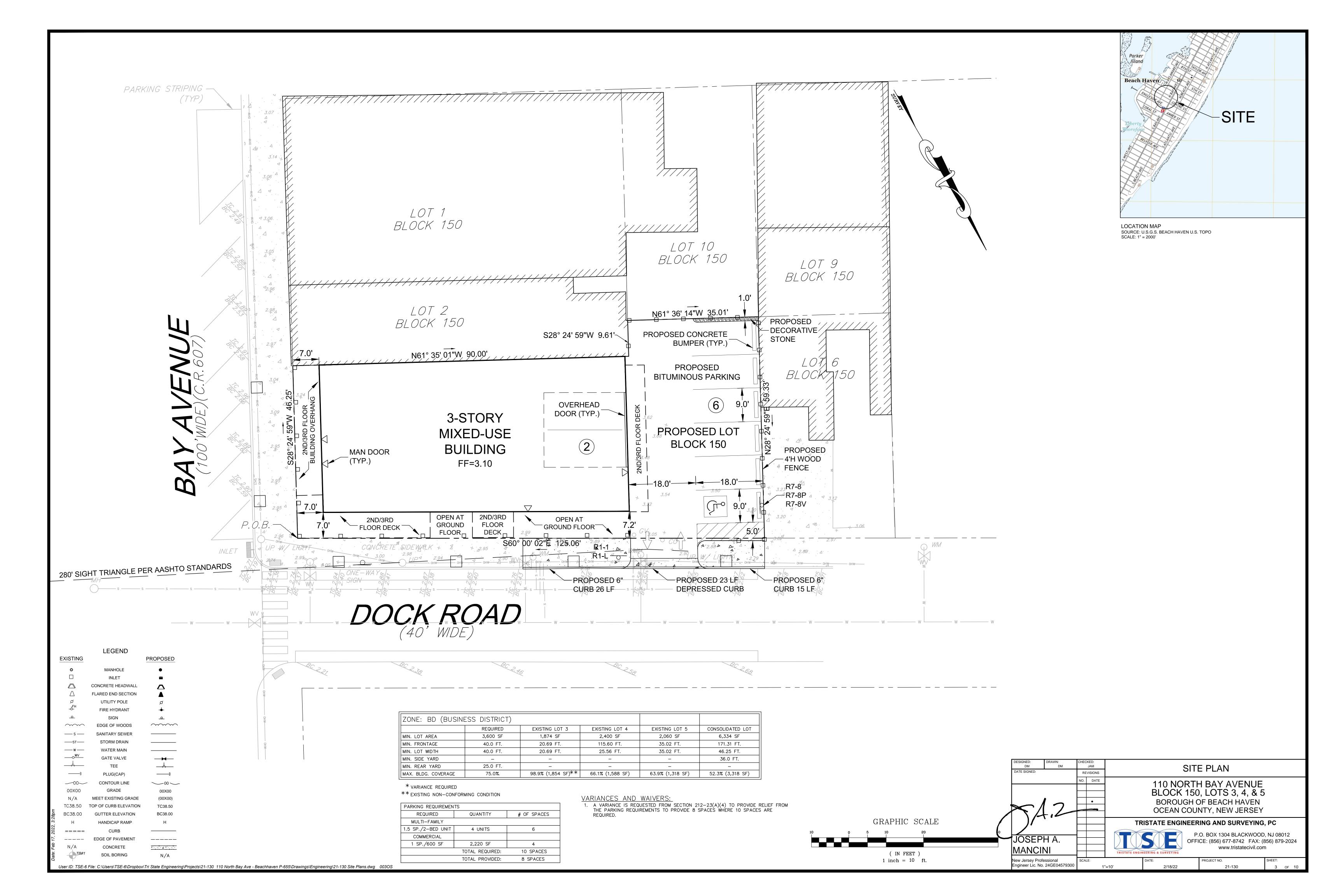
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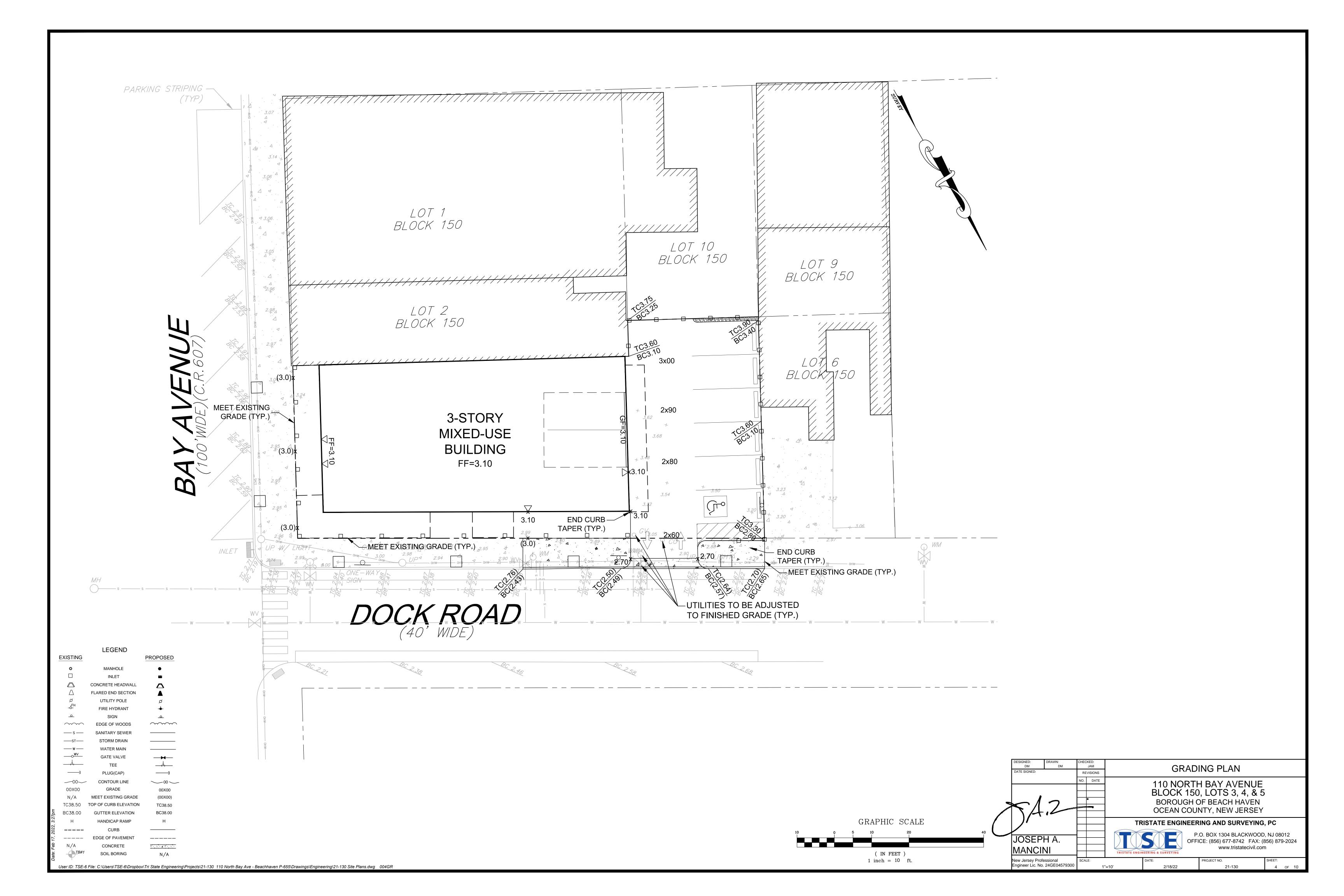
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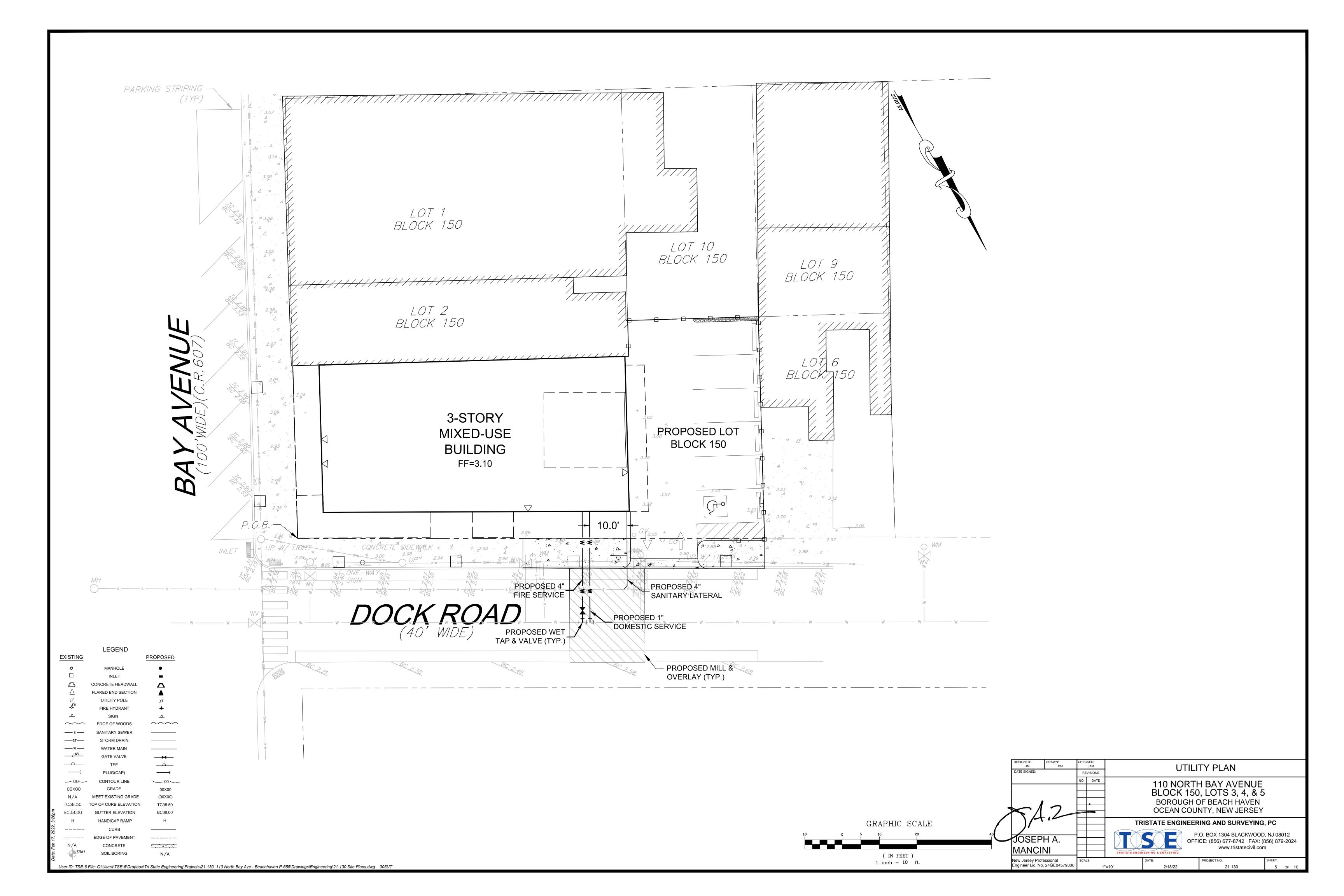
TRISTATE ENGINEERING AND SURVEYING, PC

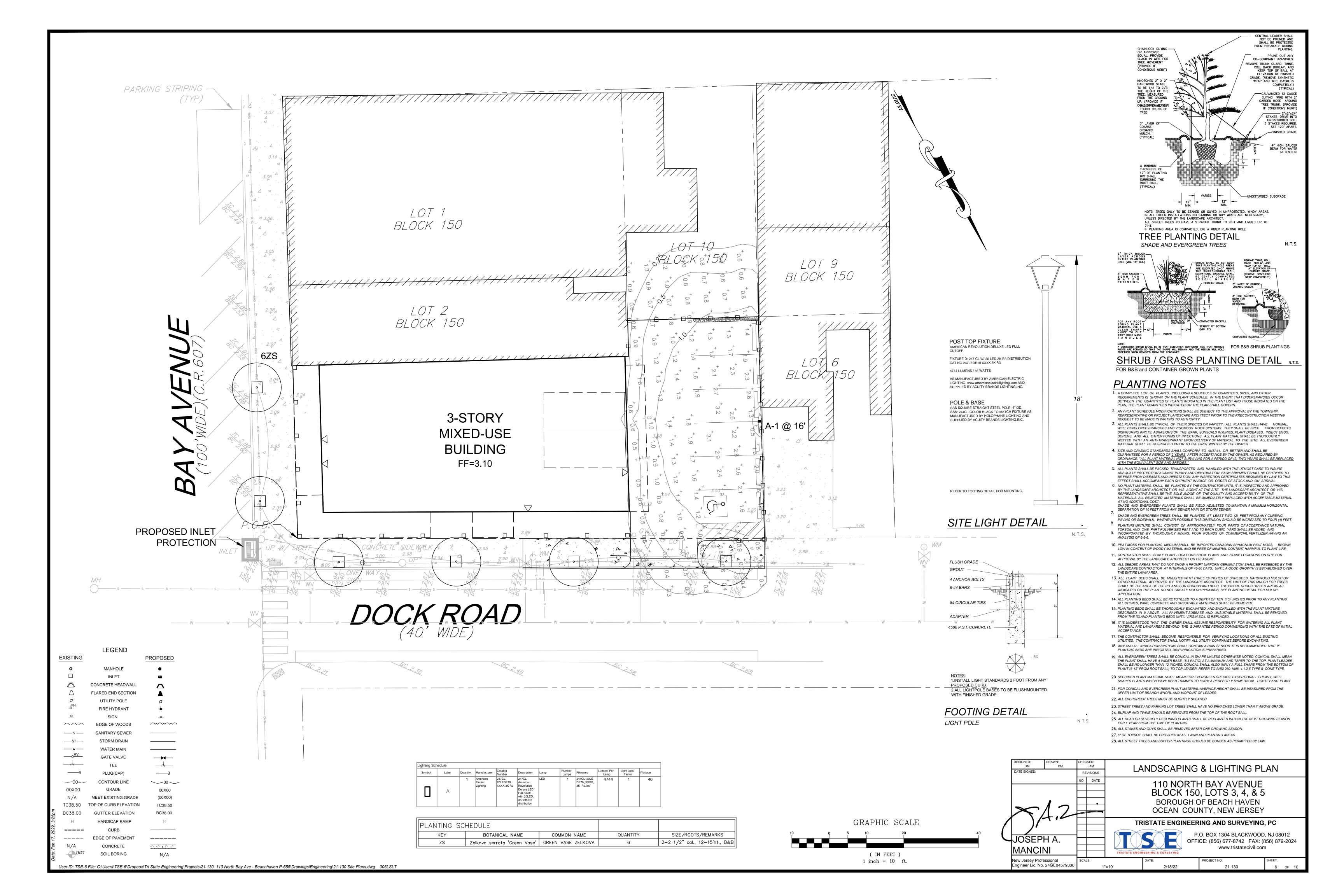
P.O. BOX 1304 BLACKWOOD, NJ 08012 OFFICE: (856) 677-8742 FAX: (856) 879-2024 www.tristatecivil.com

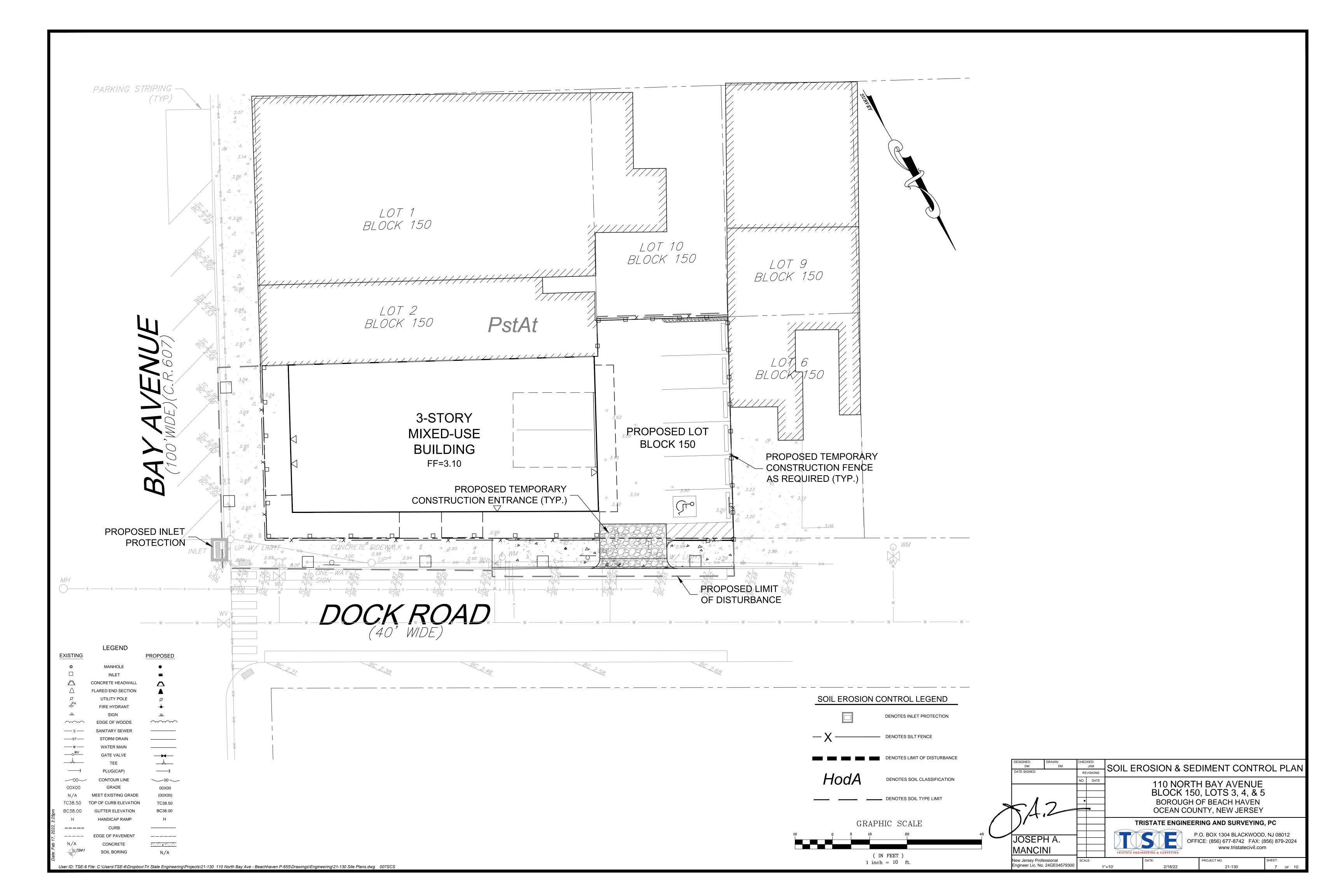












ACID SOIL CONDITIONS AND MITIGATION PROCEDURES: GENERAL MITIGATION STANDARDS

- 1. IN VEGETATED AREAS, THE TOPSOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE MATERIAL TO BE EXCAVATED. IF THE EXPOSED SUBSOIL IS CHARACTERISTIC OF ACID PRODUCING SOIL, THEN SAMPLES SHALL BE OBTAINED AND TESTED AT A SOIL TESTING LABORATORY. IF ANY SULFIDIC OR SULFURIC MATERIALS (INDICATING THE PRESENCE OF ACID SOILS) ARE IDENTIFIED, THIS MATERIAL AND ANY CONTAMINATED SOIL SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE NECESSARY FOR THE CONDUCT OF THE PROJECT.
- 2. THE AREA OF ACID-PRODUCING DEPOSITS EXPOSED SHALL BE NO LARGER THAN THAT WHICH IS ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT.

  3. CONSTRUCTION SCHEDULES SHALL BE FORMULATED TO PROVIDE MINIMUM PRACTICABLE EXPOSURE OF ACID-PRODUCING DEPOSITS.
- EXCAVATION

  1. WHERE THE TOP LAYER OF SOIL (REMAINING AFTER CLEARANCE OF VEGETATION) IS FREE FROM ACID-PRODUCING DEPOSITS, SUCH SOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE DEEPER. ACID-PRODUCING DEPOSITS TO BE EXPOSED. NO ACID-
- SEPARATELY FROM THE DEEPER, ACID-PRODUCING DEPOSITS TO BE EXPOSED. NO ACID-PRODUCING DEPOSITS SHALL BE INCLUDED IN THIS STOCKPILE.

  2. ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS AND CONTAMINATED SOIL WASHED FROM CONSTRUCTION EQUIPMENT) SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE ABSOLUTELY NECESSARY FOR
- 2. ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS AND CONTAMINATED SOIL WASHED FROM CONSTRUCTION EQUIPMENT) SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT. IF SUCH DEPOSITS MUST BE EXPOSED FOR MORE THAN ONE (1) DAY, THEY SHALL BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF THIRTY (30) TONS PER ACRE (1,375 LBS. PER 1,000 SQ. FT.) AND THEN COVERED WITH A MINIMUM OF ONE FOOT OF COMPACTED TOPSOIL (FREE OF ACID-PRODUCING DEPOSITS) WITHIN ONE (1) WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE EXPOSED DEPOSIT DROPS TO 4.0, WHICHEVER OCCURS FIRST.
- 3. EXCAVATED MATERIAL SHALL BE RETURNED TO TRENCHES OR PITS IN THE ORDER OF ITS REMOVAL, I.E., LOWER MATERIAL FIRST, FOLLOWED BY UPPER MATERIAL. HOWEVER, IF ACID-PRODUCING DEPOSITS ARE FOUND ONLY IN THE UPPER MATERIAL, THEN THE UPPER MATERIAL SHOULD BE RETURNED FIRST. THIS EXCEPTION ALSO APPLIES TO THE FOLLOWING SITUATION. WHERE ACID-PRODUCING DEPOSITS ARE STOCKPILED ON SOIL UNCONTAMINATED WITH SUCH DEPOSITS, THE TOP TWO (2) INCHES OF SUCH SOIL SHALL BE SCRAPED OFF AND BURIED ALONG WITH THE LOWER MATERIAL. THE SURPLUS MATERIAL RESULTING DUE TO PERMANBENT GRADE REDUCTION, PLACEMENT OF PIPES OR OTHER STRUCTURES, AND SOIL SCRAPED FROM AREAS UNDER TEMPORARY STOCKPILES OF ACID-PRODUCING DEPOSITS SHALL BE SUBSTITUTED FOR AN EQUAL QUANTITY OF DEEPER MATERIAL WHICH IN TURN WILL BE REMOVED TO A SUITABLE DISPOSAL SITE. AFTER BACKFILLING THE DEEPER MATERIAL, PULVERIZED LIMESTONE SHOULD BE SPREAD OVER THE TOP OF THE MATERIAL, AT THE RATE OF TEN (10) TONS PER ACRE (460 LBS. PER 1,000 SQ. FT.), BEFORE THE APPLICATION OF THE SURFACE LAYER OF SOIL. THIS LINING PROCEDURE IS APPLICABLE ONLY IN WELL-DRAINED AREAS. THE TOP LAYER OF SOIL, FREE OF ACID-PRODUCING DEPOSITS, STRIPPED AND STOCKPILED IN ITEM #1 ABOVE, SHALL THEN BE REPLACED. IF NECESSARY, ADDITIONAL QUANTITIES OF TOPSOIL SHALL BE IMPORTED SO AS TO ENSURE AT LEAST ONE (1) FOOT DEEP COVER OF SOIL, FREE OF ACID-PRODUCING
- 4. EQUIPMENT USED FOR EXCAVATING OR BACKFILLING ACID-PRODUCING DEPOSITS SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION, TO THE EXTENT PRACTICABLE, IN SUCH A WAY THAT WILL NOT CAUSE THE SPREADING OF ACID-PRODUCING DEPOSITS ONTO UNCONTAMINATED SOIL. THE SOIL REMOVED MUST BE PLACED IN THE TRENCH BELOW A DEPTH OF TWO (2) FEET.
- 5. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE SPREADING OR MIXING OF ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS) ONTO OR INTO SOIL FREE OF SUCH DEPOSITS (ON OR OFF THE CONSTRUCTION SITE). NO CONSTRUCTION SHALL TAKE PLACE DURING SIGNIFICANT RAINSTORMS OR WHILE THE GROUND IS SATURATED, IF SUCH CONSTRUCTION IS LIKELY TO SMEAR OR SPREAD ACID-PRODUCING DEPOSITS OVER UNCONTAMINATED SOIL OR INTO WATERWAYS. IF ACID-PRODUCING DEPOSITS MUST BE STOCKPILED ON TOP OF SOIL FREE OF SUCH DEPOSITS, THE AREA USED FOR STOCKPILING SHALL BE MINIMIZED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPLIED WHERE ACID-PRODUCING DEPOSITS ARE EXPOSED OR STOCKPILED, TO PREVENT OR REDUCE THE MOVEMENT OF ACID-PRODUCING MATERIAL INTO STREAMS OR ONTO CONTAMINATED SOIL.
- 6. TEMPORARY VEGETATIVE COVER SHALL NOT BE USED FOR STABILIZATION OF ACID-PRODUCING DEPOSITS UNLESS THE LIMING AND TOPSOIL APPLICATION REQUIREMENTS OF ITEM #3 AND THE SURFACE SOIL PH REQUIREMENTS OF ITEM #9 ARE FIRST MET. OTHERWISE TEMPORARY STABILIZATION OF ACID-PRODUCING DEPOSITS SHALL CONSIS OF MULCHING AND SHALL BE IMPLEMENTED BY THE END OF THE CONSTRUCTION DAY.
  7. MULCHING FOR TEMPORARY STABILIZATION IS NOT A SUBSTITUTE FOR THE LIMESTONE
- AND TOPSOIL APPLICATION REQUIREMENTS OF ITEMS #2 AND #3. MULCH SHALL NOT BE DIRECTLY APPLIED TO THE EXPOSED SURFACE OF ACID-PRODUCING DEPOSITS, BUT RATHER TO THE TOPSOIL APPLIED TO COVER SUCH DEPOSITS.

  8. PERMANENT VEGETATION SHALL BEGIN AS SOON AS CONSTRUCTION IS COMPLETE AND
- AFTER THE RESULTS OF THE INCUBATION TESTS, WHERE NECESSARY, ARE AVAILABLE.

  9. PRIOR TO RESTORING VEGETATED AREA, THE SOIL SPECIALIST SHALL PERFORM PH TESTS ON THE SOIL. IF THE PH IS BELOW 4.0, THIS IS AN INDICATION THAT ACID SOILS HAVE BEEN MIXED INTO THE SOIL, NECESSITATING AN INTENSIVE LIMING EFFORT IN ORDER TO MAKE THE SOIL SUITABLE FOR PLANT SURVIVAL. THE PH OF THE SURFACE LAYER OF SOIL (ONE (1) FOOT MINIMUM THICKNESS) MUST BE RAISED TO 5.0 BEFORE SEEDBED
- 10. THE INCUBATION TEST REQUIRES THAT A SOIL SAMPLE BE OXIDIZED FOR SIX (6) WEEKS. IF THE PH IS BELOW 4.0, LIME REQUIREMENT TESTS SHALL BE PERFORMED BY THE SOILS SPECIALIST TO DETERMINE THE LIME APPLICATION RATES.
- MITIGATION

  1. MITIGATION PROCEDURES MUST BE FOLLOWED IF CONSTRUCTION WILL EXPOSE ACID-PRODUCING DEPOSITS DURING CONSTRUCTION. THE PERIOD OF EXPOSURE SHOULD BE HELD TO A MINIMUM AND MEASURES TAKEN TO COVER SUCH DEPOSITS TO PREVENT
- 2. ONE (1) FOOT OF SOIL FREE OF ACID-PRODUCING DEPOSITS SHALL BE SPREAD OVER THE EXPOSED DEPOSIT SURFACE. THE PH OF SUCH SOIL SHALL BE 5.0 OR GREATER. THE TEXTURE OF THE SOIL SHALL FALL WITHIN THE FOLLOWING TEXTURAL CLASSES (U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE CLASSIFICATION):

  CLAY, SILTY CLAY, SANDY CLAY, CLAY LOAM SILTY CLAY LOAM, SANDY CLAY LOAM LOAM, SILT LOAM, SILT

NO MORE THAN TEN (10) PERCENT OF THE SOIL (BY MASS) MAY CONSIST OF COURSE FRAGMENTS (PARTICLES ABOVE 2MM DIAMETER OR LONG-AXIS LENGTH AND NO FRAGMENTS MAY EXCEED THREE (3) INCHES IN DIAMETER OR LONG-AXIS LENGTH.

- 3. THE SOIL THAT IS TO BE SPREAD PURSUANT TO ITEM #2 SHALL BE COMPACTED.
  THE SOIL SHALL NOT BE COMPACTED TO A BULK DENSITY EXCEEDING 1.7 GRAMS
- 4. SINCE THE OXIDATION OF SULFIDE MINERALS AND RESULTING GENERATION OF ACID COMMENCES AS THE ACID-PRODUCING DEPOSITS ARE EXPOSED, THE SOIL LAYER SHALL BE APPLIED PROMPTLY TO THE NEWLY EXPOSED DEPOSITS WITHIN OR ALONG THE BASIN OR CHANNEL. TO ACCOMPLISH THIS, BASIN OR CHANNEL EXCAVATION SHALL PROCEED (WHERE NECESSARY) IN STAGES, SCHEDULED IN SUCH A WAY THAT NO NEWLY EXPOSED ACID-PRODUCING DEPOSITS REMAIN EXPOSED LONGER THAN ONE (1) WEEK, OR THE TIME REQUIRED FOR THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE DEPOSIT TO DROP TO 4.0, WHICHEVER IS LESS.

PER CUBIC CENTIMETER, AND THE LIMING AND PH REQUIREMENTS OUTLINED ABOVE

- 5. IN SOME PLACES IT MAY NOT BE PRACTICAL TO COVER THE ACID-PRODUCING DEPOSITS WITH A SOIL-LIMESTONE MIXTURE IN THE MANNER DESCRIBED ABOVE BECAUSE OF STEEP SLOPES OR BECAUSE OF RUNNING WATER THAT CANNOT BE DIVERTED DURING CONSTRUCTION. IN SUCH CASES, PLASTIC LINERS SHALL BE UTILIZED, PLACING THEM OVER THE NEWLY EXPOSED ACID-PRODUCING DEPOSIT WITH SUITABLE PROTECTION. ANY FILL MATERIAL PLACED OVER THE PLASTIC LINER SHALL BE FREE OF ACID-PRODUCING DEPOSITS.

  MATERIAL STORAGE & DISPOSAL
- STOCKPILE SATISFACTORY MATERIALS WHERE DIRECTED UNTIL REQUIRED FOR USE AS BACKFILL OR FILL . STOCKPILES SHALL BE GRADED FOR PROPER DRAINAGE.
- A. SUITABLE SITES SHALL BE LEVEL, DEVOID OF MATURE STANDS OF NATURAL VEGETATION AND BE REMOVED FROM DRAINAGE FACILITIES AND FEATURES, WETLANDS AND STREAM CORRIDORS.
- B. THE.STOCKPILE AREA SHALL BE SURROUNDED BY SILT FENCING OR ANOTHER ACCEPTABLE EROSION CONTROL MEASURE. WHERE FILL IS TO BE STORED IN EXCESS OF FOURTEEN (14) DAYS, A SUITABLE MEANS OF PROTECTING EXCAVATED MATERIAL FROM EROSION
- 2. DISPOSE OF EXCESS SOIL MATERIAL AND WASTE MATERIALS AS HEREIN SPECIFIED. EXCAVATED MATERIAL UNSUITABLE FOR BACKFILLING SHALL BE KEPT SEPARATE FROM OTHER MATERIALS EXCAVATED AND DISPOSED OF. MATERIAL SUITABLE FOR BACKFILLING SHALL NOT BE DISPOSED OF UNTIL COMPLETION OF FILLING OR BACKFILLING OPERATIONS.
- SHALL NOT BE DISPOSED OF UNTIL COMPLETION OF FILLING OR BACKFILLING OPERATIONS.

  3. ACID-PRODUCING DEPOSITS (INCLUDING EARTH CONTAMINATED WITH SUCH DEPOSITS) THAT ARE NOT BACKFILLED AND COVERED SHALL BE DISPOSED OF ON OR OFF THE PROJECT SITE IN A SUITABLE MANNER AND LOCATION. DISPOSAL OF EXCESS EXCAVATED MATERIAL IN WETLANDS, STREAM CORRIDORS AND FLOODPLAINS IS STRICTLY PROHIBITED.

4. ACID-PRODUCING DEPOSITS SHALL NOT BE DISCHARGED INTO STREAMS, INDISCRIMINATELY

SPREAD OVER UNCONTAMINATED SOIL, OR SOLD OR DISTRIBUTED AS TOPSOIL OR TOPSOIL AMENDMENTS SUITABLE FOR PLANT GROWTH. INSTEAD, SUCH DEPOSITS SHALL BE BURIED AT LEAST TWO (2) FEET BENEATH THE LAND SURFACE IN SUCH A MANNER THAT THE COVER MATERIAL IS NOT SUBJECT TO ACCELERATED EROSION OR UNDER PROPOSED BUILDING SLABS. STOCKPILES OF ACID PRODUCING DEPOSITS AWAITING BURIAL SHALL BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF THIRTY (30) TONS PER ACRE (1,375 LBS. PER 1,000 SQ. FT.) AND THEN COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF COMPACTED SOIL, FREE OF ACID-PRODUCING DEPOSITS WITHIN ONE (1) WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE DEPOSIT DROPS TO 4.0, WHICHEVER OCCURS FIRST. WHENEVER PRACTICABLE, THE DEPOSIT SHALL BE BURIED THE SAME DAY IT IS EXCAVATED.

SEEDING, LIMING, FERTILIZING AND MULCHING RATES

CHEWINGS FESCUE

KENTUCKY BLUEGRASS

- SEEDBED PREPARATION AND SEED APPLICATION RATES

  A. WORK APPROVED RATES OF LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF APPROXIMATELY 4 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION MUST BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY LINIFORM SEFERED IS PREPARED.
- B. APPLY 4 LBS. PER 1,000 SQ. FT. (160 LBS. PER ACRE) OF SEED UNIFORMLY BY GRAIN DRILL OR GRASS SEEDER TO A DEPTH OF APPROXIMATELY 1/2-1 INCH WITH THE FOLLOWING RECOMMENDED SEED MIXTURE:

  APPLICATION RECOMMENDED SEED MIXTURE PLANTING DATES

4/1 - 5/31

PERENNIAL RYEGRASS 20% 8/15 - 10/15

C. FOR SANDY SOILS APPLY PERENNIAL RYEGRASS AT THE RATE OF 3-4 LBS, PER 1,000 SQ. FT. IN ADDITION TO THE ABOVE MIXTURE.

D. DETENTION BASIN SIDE SLOPES TO BE SEEDED AT A RATE OF 4 LBS.

PER 1,000 SQ. FT. (160 LBS. PER ACRE) WITH THE FOLLOWING RECOMMENDED

- SEED MIXTURE:

   APPLICATION
   RECOMMENDED PLANTING DATES

   SEED
   MIXTURE
   PLANTING DATES

   SWITCH GRASS
   35%
   4/1 5/31

   REED CANARY GRASS
   25%
   OR

   CREEPING RED FESCUE
   15%
   8/15 10/15

   RELIANT "HARD" FESCUE
   15%
   CREEPING BENTGRASS

   CREEPING BENTGRASS
   10%
- AREAS WITHIN A FIFTY (50) FOOT RADIUS OF THE BASIN OUTLET STRUCTURE SHALL BE OVERSEEDED WITH SWITCH GRASS AT AN ADDITIONAL RATE OF 0.2 LBS. PER 1,000 SQ. FT. (8 LBS. PER ACRE).

  E. AREAS THAT ARE TEMPORARILY SEEDED SHALL BE PROTECTED BY PERENNIAI RYEGRASS AND/OR MULCH. SEED SHALL BE APPLIED AT THE RATE OF 2 LBS.
- PER 1,000 SQ. FT. (100 LBS. PER ACRE). IF THE INITIAL SEEDING DOES NOT TAKE, THE AREA SHALL BE RESEEDED.

  F. ALL CRITICAL AREAS SUBJECT TO EROSION SHALL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IMMEDIATELY FOLLOWING ROUGH GRADING.
- G. VEGETATIVE FILTER STRIP (IF APPLICABLE) TO BE SEEDED AT A RATE OF 2
- APPLICATION RECOMMENDED PLANTING DATES

  KENTUCKY #31 TALL FESCUE 40% 4/1 5/31
  CHEWINGS FESCUE 20% OR
  CREEPING RED FESCUE 20% 8/15 10/15
  PERENNIAL RYEGRASS 20%

  H. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION
- OF SEED APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.

  2. LIME APPLICATION RATES

  A. ALL SEEDED AREAS SHALL BE LIMED AT THE RATE DETERMINED BY SOIL ANALYSIS
- AND APPROVED BY THE ENGINEER OR THE SOIL CONSERVATION DISTRICT, OR THE FOLLOWING RATES SHALL APPLY:

  SOIL TEXTURES TONS/AC. LBS./1,000 SQ. FT.

  CLAY, CLAY LOAM AND 4 180
  HIGH ORGANIC SOIL

  SANDY LOAM, SILT LOAM 3 135
  LOAMY SAND, SAND 2 90
- PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.

  B. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.
- COUNTY SOIL CONSERVATION DIST

  3. FERTILIZER APPLICATION RATES
- A. ALL SEEDED AREAS SHALL BE FERTILIZED AT THE RATE DETERMINED BY SOIL ANALYSIS AND APPROVED BY THE ENGINEER OR THE SOIL CONSERVATION DISTRICT, OR AT A RATE OF 11 LBS. PER 1,000 SQ. FT. (500 LBS. PER ACRE) USING 10-20-10 OR EQUAL.
- B. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF FERTILIZER APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.
- MULCH APPLICATION RATES
   A. AREAS RECEIVING PERMANENT SEEDING SHALL BE MULCHED WITH SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS/1000 SQ. FT. MULCH SHALL BE SECURED
- BY APPROVED METHODS (LIQUID MULCH BINDER, CRIMPING, PEG AND TWINE).

  B. AREAS RECEIVING TEMPORARY SEEDING SHALL BE MULCHED WITH SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS/1000 SQ. FT. MULCH SHALL BE SECURED.
- BY APPROVED METHODS (LIQUID MULCH BINDER, CRIMPING, PEG AND TWINE).

  C. ALL AREAS EXPOSED MORE THAN 30 DAYS DURING THE NON-GROWING SEASON SHALL BE PROTECTED BY MULCH AND SECURED WITH AN ORGANIC TACK MULCH. MULCH SHALL BE APPLIED AT A RATE OF 2-2 1/2 TONS PER ACRE.
- D. MULCH IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT. METHOD AND APPLICATION FOR MULCHING SHALL BE IN ACCORDANCE WITH SECTION 4 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

### DUST CONTROL

SHALL BE USED FOR CONTROLLING DUST:

- DUST CONTROL SHALL BE IN ACCORDANCE WITH SECTION 16 OF THE NEW JERSEY
  STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. THE FOLLOWING METHODS
- APPLICATION OF MULCH AND/OR VEGETATIVE COVER AS SPECIFIED IN "SEEDING, LIMING, FERTILIZING AND MULCHING RATES" ON THIS SHEET.
- 2. TILLAGE TO ROUGHEN THE SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING

  STARTS BROCEED FROM THE WINDWARD SIDE OF THE SITE WITH CHISEL TOOTH.
- BLOWING
  STARTS. PROCEED FROM THE WINDWARD SIDE OF THE SITE WITH CHISEL TOOTH PLOWS, 12 INCHES APART, OR SPRING TOOTH HARROWS.

  3. SPRINKLING OF SITE UNTIL SURFACE IS WET. SPRINKLING SHOULD BE DONE
- PERIODICALLY THROUGHOUT THE CONSTRUCTION PERIOD AS REQUIRED TO CONTROL DUST.

  TOPSOILING

  TOPSOILING SHALL BE IN ACCORDANCE WITH SECTION 8 OF THE NEW JERSEY
- TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH.
- 2. A UNIFORM APPLICATION TO A DEPTH OF 6 INCHES (UNSETTLED) IS RECOMMENDED SOILS WITH A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A pH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL (SECTION 1 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL).
- DEWATERING

  DEWATERING SHALL BE IN ACCORDANCE WITH SECTION 14 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAIN SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER.
- FIELD PLACEMENT OF DEWATERING DEVICE AND DISCHARGE LOCATION MUST BE APPROVED BY THE DISTRICT SOIL EROSION CONTROL INSPECTOR, PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.

2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

3. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.

4. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE STANDARDS. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE STANDARDS.

ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IN ACCORDANCE WITH THE STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
 THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
 ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
 SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN. SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. PROPOSED LOCATIONS MUST BE DELINEATED ON THE PLANS.
 A CRUSHED STONE TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE RIP RAP PAD MUST BE 100 FEET IN LENGTH AND THE STONE MUST BE 1° -4" IN SIZE. PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC AND MAINTAINED. THE STRUCTURE MUST BE DELINEATED AND DETAILED ON THE PLANS.

SYNTHETIC FILTER FABRIC AND MAINTAINED. THE STRUCTURE MUST BE DELINEATED AND DETAILED ON THE PLANS.

10. IF A STONE CONSTRUCTION ACCESS IS TO BE USED AS AN EXIT ONTO A MAJOR HIGHWAY, A THIRTY (30) FOOT PAVED TRANSITION AREA SHALL BE INSTALLED.

11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 ½" CRUSHED STONE OR SUB BASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.

12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

13. ALL CATCH BASIN INLETS WILL BE PROTECTED DURING CONSTRUCTION (FILTER DETAILS APPEAR ON PLAN).

14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWNSTREAM AREA. FIELD PLACEMENT AND USE OF THE STRUCTURE MUST BE APPROVED BY THE DISTRICT EROSION CONTROL INSPECTOR PRIOR TO COMMENCEMENT OF DEWATERING ACTIVITIES.

16. THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.

17. SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE MUST BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE SEEDBED PREPARATION.

18. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT

WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.

20. NJSA 4:24-39, ET SEQ. REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.

21. OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.

22. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.

23. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS.

24. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING TOPSOIL, THE STOCKPILE SHALL BE SEEDED WITH TEMPORARY VEGETATION. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF TEMPORARY SEED.

25. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1.

28. THE RESPONSIBILITY FOR EROSION CONTROLS FOR INDIVIDUAL LOTS WILL TRANSFER TO SUBSEQUENT OWNERS OF THE LOT. THIS RESPONSIBILITY WILL BE DESCRIBED IN THE DEED, AND A SINGLE FAMILY HOME PLAN CONTAINING ALL NECESSARY EROSION CONTROLS WILL BE PROVIDED TO THE OWNER.

29. CONCRETE TRUCK WASHOUT AREAS WILL BE MAINTAINED ON A CONTINUAL BASIS AND AS NEEDED.

30. THE STORMWATER POLLUTION PREVENTION PLAN AND THE SPILL RESPONSE PLAN SHALL BE AVAILABLE ON SITE FOR REVIEW BY THE SCD INSPECTOR AND/OR THE NJDEP INSPECTOR.

31. THE SCD INSPECTOR OR NJDEP INSPECTOR MAY REQUIRE ADDITIONAL MEASURES FOR STORMWATER POLLUTION PREVENTION TO BE INSTALLED.

32. INSPECTIONS OF ALL STORMWATER POLLUTION PREVENTION PLAN MEASURES WILL BE CONDUCTED AND DOCUMENTED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.

34. ANY SPILLS OF HAZARDOUS OR SANITARY WASTES WILL BE CLEANED UP IMMEDIATELY, AND IN ACCORDANCE WITH THE SPILL RESPONSE PLAN. SPILL KITS MUST BE AVAILABLE ONSITE OR ADJACENT TO THE SITE.

35. ANY HAZARDOUS SUBSTANCE RELEASES IN EXCESS OF REPORTABLE QUANTITIES (RQ) ESTABLISHED UNDER 40 C.F.R. 110, 117 AND 302 THAT OCCUR WITHIN A 24 HOUR PERIOD MUST BE REPORTED THE NATIONAL RESPONSE CENTER (800 424-8802).

33. WASTE COLLECTION CONTAINERS WILL NOT BE PERMITTED TO OVERFLOW.

DEVELOPMENT SCHEDULE

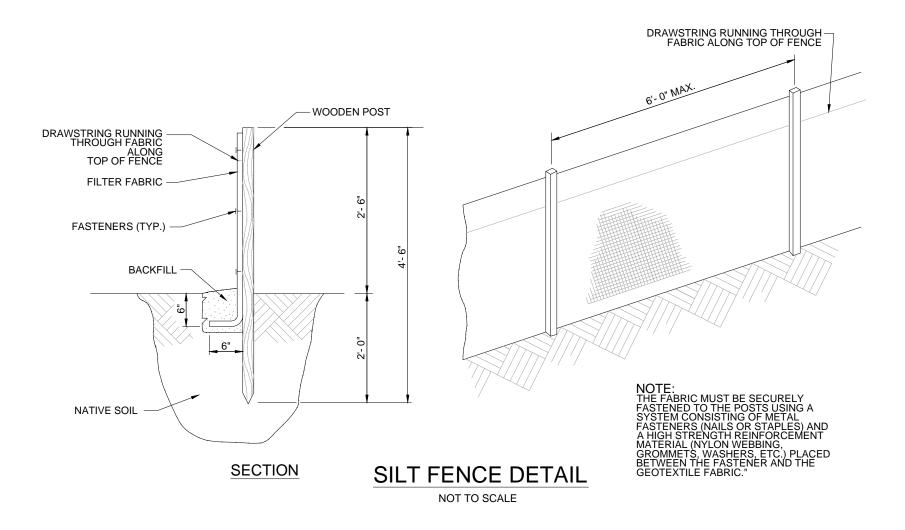
1. CONSTRUCTION IS SCHEDULED TO START FALL 2022.

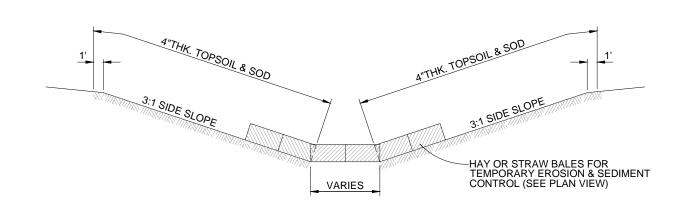
### CONSTRUCTION SEQUENCE

- INSTALLATION OF ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO ANY MAJOR SOIL DISTURBANCES OR IN THEIR PROPER SEQUENCE AND MAINTENANCE UNTIL PERMANENT PROTECTION IS ESTABLISHED. (1 WEEK)
- CLEAR AND REMOVE ALL EXISTING VEGETATION, BUILDINGS, FOUNDATIONS, TANKS, CURBING, BITUMINOUS AND CONCRETE PAVEMENTS, ETC., IN THOSE AREAS WHERE
- CURBING, BITUMINOUS AND CONCRETE PAVEMENTS, ETC., IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION (IF ANY) TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE. (2+WEEKS)
- 3. ROUGH GRADING OF THOSE AREAS TO BE DEVELOPED. (1+WEEKS)
- 4. TEMPORARY STABILIZATION OF THOSE AREAS LEFT EXPOSED MORE THAN 30 DAYS (1+DAY)
- CONSTRUCTION OF ALL PROPOSED UTILITIES. INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES WHICH ARE EFFECTED BY THE PROPOSED UTILITIES. PERMANENT STABILIZATION OF BASIN IF APPLICABLE. (1+WEEKS)
- 6. SUBGRADE TO BE APPLIED FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE PAVEMENT AREAS. (1+WEEKS)
- 7. CONSTRUCTION OF PROPOSED CURBS. (2+WEEKS)
- 8. FINE GRADING OF PAVEMENT AREAS. (1+WEEKS)

  9. INSTALLATION OF BASE MATERIAL FOR PAVEMENT AREAS. (1+WEEKS)
- 10. PAVING OF PAVEMENT AREAS. (1+WEEKS)
- 11. CONSTRUCTION OF PROPOSED BUILDING
- 12. FINE GRADING OF THE REMAINDER OF THE SITE. (1+WEEKS)

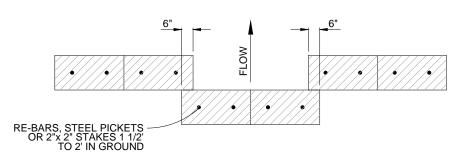
  13. STABILIZATION OF THE SITE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING. (1+WEEK)
- 14. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES, WHERE CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.(1+WEEK)



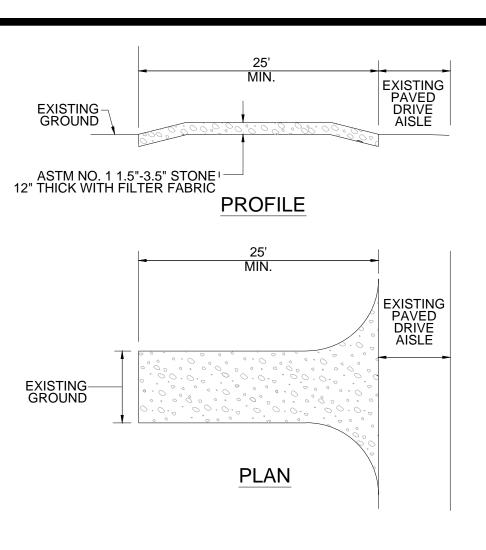


TYPICAL DITCH SECTION

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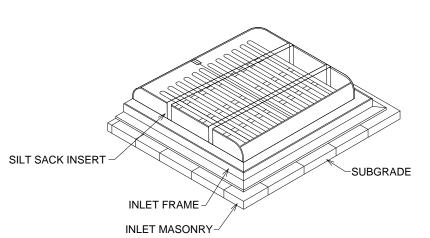


PLAN VIEW
BALES FOR DITCH
NOT TO SCALE



## STABILIZED CONSTRUCTION TRANSITION AREA

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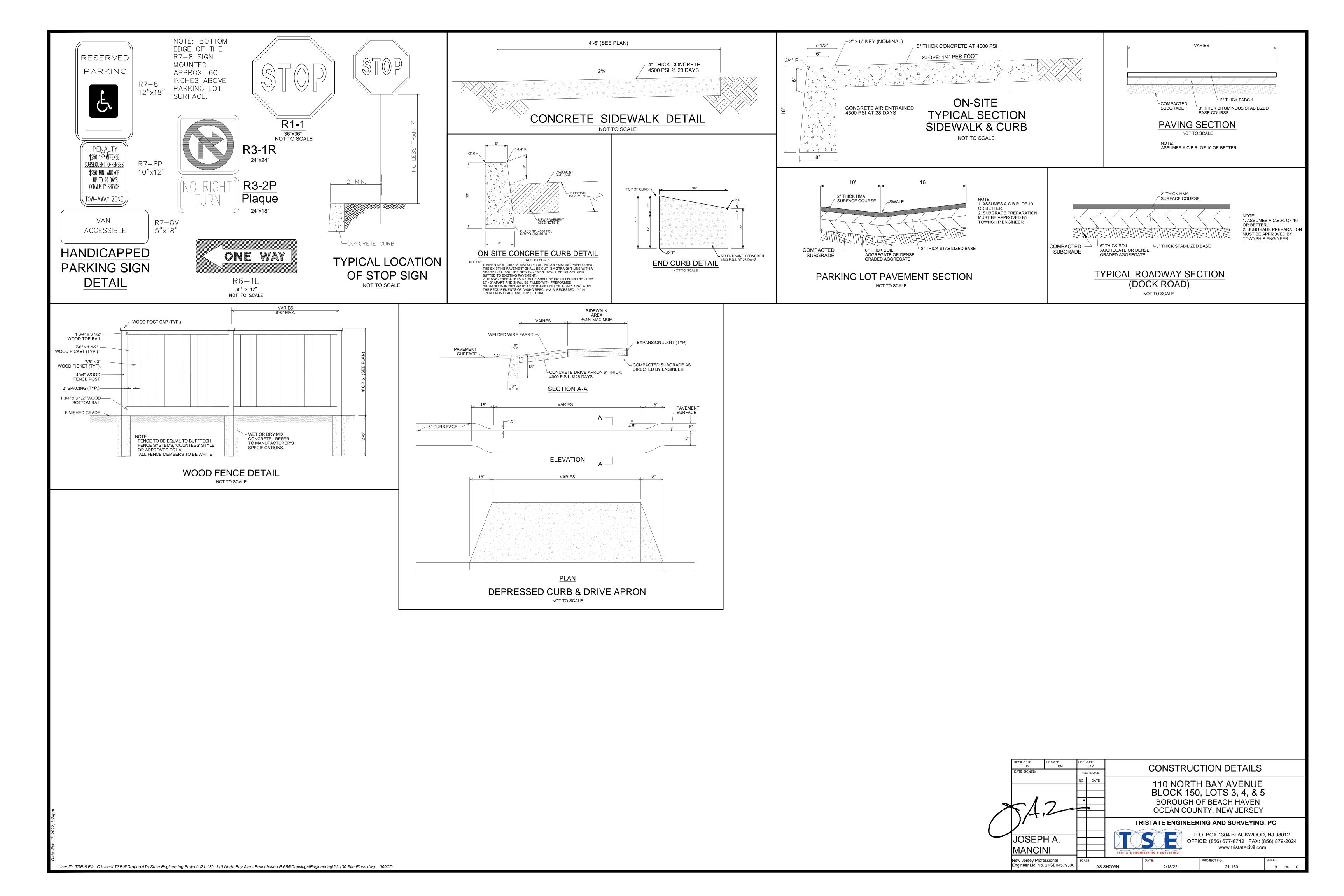
NOTE: SILT REMOVAL AROUND INLET TO BE PERIODICALLY MAINTAINED THROUGHOUT THE COURSE OF

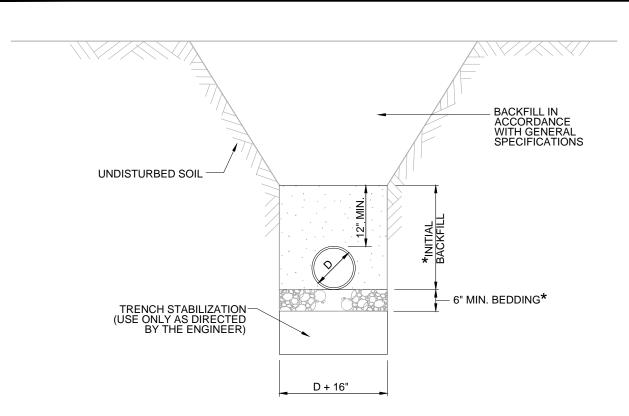
INLET PROTECTION w/SILT SACK INSERT

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ngineer Lic. No. 24GE045793

ate: Feb 17, 2022, 3:23pm





- \*INITIAL BACKFILL AND BEDDING MATERIAL SHALL BE SOIL AGGREGATE DESIGNATION I-8 CONFORMING TO THE REQUIREMENTS OF ARTICLE 901.09 TABLE 901-2 OF THE STANDARD SPECIFICATIONS, 1983 SUPPLEMENT OR STONE CRUSHINGS TO CONFORM WITH A.A.S.H.T.O. DESIGNATION M-43-54 (1974) (A.S.T.M. DESIGNATION D448-54), SIZE NO. 8,  $\frac{1}{8}$ " TO  $\frac{3}{8}$ " (2.36mm TO 9.25mm) CLEAN, FREE FLOWING AND SHALL MEET ALL A.S.T.M. C-33
- \*INSTALL CLASS 52 D.I.P. WHEN DEPTH OF INSTALLATION EXCEEDS 20'.

SPECIFICATIONS FOR QUALITY AND SOUNDNESS.

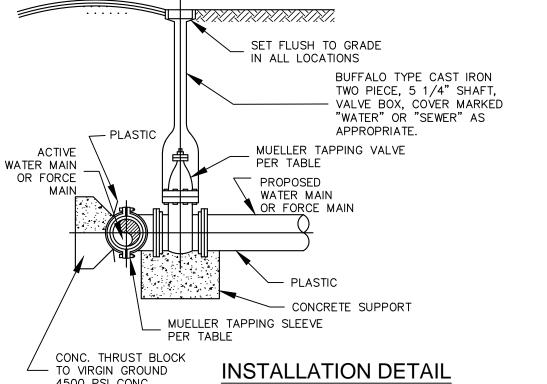
EXCAVATION, TRENCHING AND SHORING SHALL BE IN CONFORMANCE WITH O.S.H.A. SAFETY AND HEALTH STANDARDS (29 CFR 1926/1910), CONSTRUCTION INDUSTRY, TITLE 29-LABOR, CHAPTER XVII, SUBPART P REVISED TO DATE.

### SDR - 35 PVC SANITARY SEWER TRENCH DETAIL (3'-20')

NOT TO SCALE

### WATER & SEWER NOTES:

- 1. ALL MATERIALS, METHODS AND DETAILS OF CONSTRUCTION FOR SANITARY SEWER AND WATER DISTRIBUTION SYSTEMS SHALL CONFORM TOTHE REGULATIONS OF THE VOORHEES PUBLIC WORKS AND NJ AMERICAN WATER (NJAW).
- 2. THE CONTRACTOR(S) SHALL DETERMINE THE LOCATION OF EXISTING STRUCTURES AND UTILITIES ABOVE AND BELOW GROUND BEFORE BEGINNING CONSTRUCTION IN ORDER TO AVOID INTERFERENCE WITH SAME.
- 3. ALL WATER MAINS TO BE CEMENT LINED DUCTILE IRON PIPE CONFORMING TO AWWA C151, PUSH-ON, PUSH-ON RESTRAINED OR MECHANICAL JOINT; 4" THROUGH 12"-PRESSURE CLASS 350 OR PVC CONFORMING TO AWWA C900; 4" THROUGH 12" DR-18 PRESSURE CLASS 235.
- 4. ALL SANITARY SEWER GRAVITY MAINS AND LATERALS TO BE POLYVINYL CHLORIDE PIPE, SDR-35, CONFORMING TO ASTM D3034 WITH PUSH-ON JOINTS OR NON-CEMENT LINED DUCTILE IRON CONFORMING TO AWWA C151, PUSH-ON,
- 5. PROVIDE TEN FOOT (10') MINIMUM HORIZONTAL SEPARATION BETWEEN SANITARY SEWER MAINS AND WATER MAINS OR LOCATE WATER MAIN EIGHTEEN INCHES (18") ABOVE SEWER MAIN IN A SEPARATE TRENCH. MINIMUM VERTICAL CLEARANCE BETWEEN WATER MAINS AND OTHER PIPES SHALL BE NO LESS THAN TWELVE INCHES (12").
- 6. AT SANITARY SEWER MAIN AND WATER MAIN CROSSINGS, CONSTRUCT SANITARY SEWER MAIN AT A MINIMUM OF EIGHTEEN INCHES (18") ABOVE SEWER MAIN INA SEPARATE TRENCH. MINIMUM VERTICAL CLEARANCE BETWEEN WATER MAINS AND OTHER PIPES SHALL BE NO LESS THAN TWELVE INCHES (12").
- 7. PROVIDE EIGHTEEN INCHES (18") OF CLEARANCE BETWEEN STORM DRAINS CROSSING P.V.C. SANITARY SEWER MAINS OR CONSTRUCT CONCRETE CRADLE. MINIMUM VERTICAL CLEARANCE SHALL BE NO LESS THAN TWELVE INCHES (12").
- PROVIDE TWELVE INCHES (12") OF CLEARANCE BETWEEN STORM DRAINS CROSSING O.I. SANITARY SEWER MAINS OR CONSTRUCT CONCRETE CRADLE. MINIMUM VERTICAL CLEARANCE SHALL BE NO LESS THAN SIX INCHES (6").
- 8. PROVIDE FOUR FEET (4') MINIMUM COVER OVER WATER MAINS AND PROVIDE A THREE FOOT (3') MINIMUM COVER OVER SEWER LATERALS AT THE CURB LINE.
- 9. MANHOLE RIMS AND VALVE BOX COVERS SHALL BE SET FLUSH WITH STABILIZED BASE COURSE. AT THE TIME OF FINAL SURFACE PAVING, VALVE BOX COVERS SHALL BE RAISED AND MANHOLE RIMS SHALL BE EXTENDED WITH CAMPBELL FOUNDRY MANHOLE EXTENSION RINGS TO MEET FINISHED PAVEMENT GRADE.
- 10. FIRE HYDRANT LOCATION SHALL BE APPROVED BY THE FIRE MARSHALL.
- 11. A BLANKET EASEMENT SHALL BE ESTABLISHED TO PERMIT THE SERVICING OF UTILITIES FOR COMMERCIAL AND CONDOMINIUM SITES.
- 12. LOCATE WATER METER INSIDE THE BUILDING AND MUST BE RADIO READ TYPE. COORDINATE WITH NJAW.
- 13. ALL WATER MAIN GATE VALVES TO BE MUELLER A-2360 RESILIENT WEDGE OR APPROVED EQUAL. VALVES SHALL OPEN
- COUNTERCLOCKWISE AND BE SUPPLIED WITH BONNET & STUFFING BOX NUTS & BOLTS CONSTRUCTED OF 316 STAINLESS STEEL.



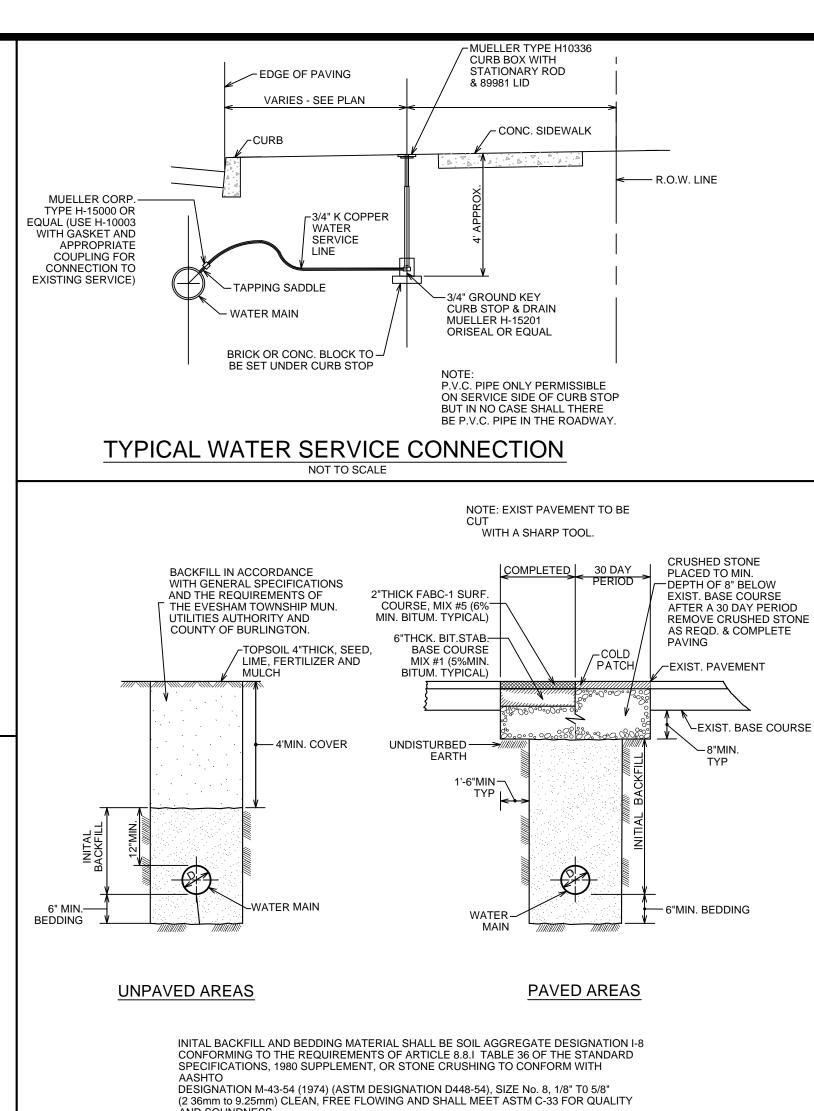
### TAPPING SLEEVES, CROSSES AND VALVES

TYPE OF PIPE	MODEL NUMBERS			SIZE RANGE
	SLEEVE	CROSS	VALVE	0.22 10.00
CAST IRON	H-615 OR 616	H-715 OR 716	H-667	2" - 24"
DUCTILE IRON	H-615	H-715	H-667	4" - 24"
ASBESTOS CEMENT	H-619	H-719	H-642	4" - 12"
AWWA C900 PVC	H-615	H-715	H-696	4" - 12"

1. ALL PART NUMBERS REFER TO PRODUCTS OF THE MUELLER CO. DECATUR, ILL. OR APPROVED EQUAL.

- 2. ALL OUTLET FLANGES ARE CLASS 125, ANSI B.16.1. MECHANICAL
- 3. PROVIDE THRUST BLOCKS AND VISQUENCE WRAPPING

- BE SWABBED ON INTERIOR OF ALL FITTINGS).



TRENCH DETAIL

NOT TO SCALE

